

**ALGAE TASK FORCE MEETING #5**  
**MEETING SUMMARY**  
**November 8, 2010**

**1. Meeting Summary – July 29**

July 29 summary passed out to those in attendance. Any corrections, please contact Linda.  
October 7 summary not completed at this time.

**2. Additional Agenda Items**

None.

**3. LMWQF Update**

**4. Task update**

After review of the presentation, the following assignment updates were given:

\*Get Federal Government to Fund More Research – **Bryan Moore**

**Update:** Unless there is an upturn in the economy funding will be gone. No new funding starts for WQ projects. BOR has done sampling at Lake Mead over the last 4-5 years. USGS is running the platforms so they are collecting that data. Park Service is currently doing Quagga mussel research and monitoring WQ standards for those parameters. Bryan will work on his write up of funding/projects over the past 10 years. Also, locate Federal Government data and summarize it in a format that is user friendly.

\*Assess non-point source nutrient loadings – Dan Fischer

**Update:** (1)Attempt to go after storms and do hydrolab profiles in the Bay to characterize the Wash. May need to refine procedure so that it is done the same way each time after a storm. (2)Modify the next sampling plan to look at more at TSS and P and increase the amount of sampling or the sites they sample at and sacrifice possibly some trace organics. (3)Once MWH is done then work together with other dischargers to do sampling with their equipment (analysis, help with location, etc.). (4) SNWA will write an annual report or data summary on the data collected by their hydrolab during storms.

\*Use model to determine assimilative capacity in Las Vegas Bay and Lake Mead – Peggy Roefer

**Update:** Paragraph on model effort and what it tells us – in process

\*Begin year round P removal at treatment plants – Bill Shepherd

**Update:** One of the biggest single events that helped reduce Total P. Bill is working on this section

\*Quagga Mussels – Todd Tietjen

**Update:** Data is almost non-existent. Will do a summary on what data there is, how the mussels relate to Chl-a in the Bay

\*Conduct study to determine exact cause of 2001 algal bloom – Doug Drury

**Update:** Paragraph stating unsure of exact cause and that we may never know for sure what caused the bloom

- \*Form study group to determine P loadings from high source areas – Kevin Eubanks  
**Update:** POTW took significant action in 2002-2003. Attempt to characterize flood flows with the minimum amount of data that is available. Also, state that dry weather flows are not significant.
- \*Build SCOP project to obtain more assimilative capacity – Scott Schiefer and Dan Fischer  
**Update:** Scott has paragraph completed, Doug will review. Basically, the project is going away, the dischargers have decided to go with treatment alternative as opposed to dilution.
- \*Characterize Las Vegas Wash insertions into the Bay – Todd Tietjen  
**Update:** Very difficult as delta changes. Todd will gather information from Jerry Hester and Bryan Moore regarding structures on the lower Wash and then try to put a summary together.
- \*Characterize Las Vegas Wash temperature increases across delta – Doug Drury  
**Update:** Will write a paragraph to include information on the warming of the delta
- \*Further study nutrient release from sediment as Lake Mead lowers – Peggy Roefer  
**Update:** Utilize information in BOR study in writing paragraph, noting that the lake continues to lower with no algae blooms
- \*Determine impacts from construction of erosion control structures – Dana LaRance & Xiaoping Zhou  
**Update:** Xiaping had a presentation on the erosion control structures and they added COH data for sites LW6.05 and LW0.55 and came to the conclusion that the erosion control structures have had no impact on possible algae bloom during dry weather and could possibly even help. They will look at temperature to see if the structures cause an increase in temperature, which would change the insertion point into the delta.
- \*Characterize impacts from Lake Las Vegas – Doug Drury & Steve Weber  
**Update:** Steve Weber will talk to his client and request data from sampling at Lake Las Vegas.

No timeline was given by LMWQF for when status report needs to be completed. Doug asked if having a draft done in the first quarter of 2011 was reasonable.

## 5. Additional Information

### a. Rainfall sampling 10/18, 10/20?

Dana said they did not get any samples during the recent storms. Doug reported that WRD lab had taken a sample. Scott said the data from 10/21/10 showed that right after a storm things are observed that haven't been seen before because we are looking in different locations.

### b. Lake Las Vegas – the group discussed Lake Las Vegas and Lake Mead and all the variables when a storm occurs in depth with Steve Weber.

### c. Storm water - In a storm the big amounts of Total P are bad, but what causes them and what can be done to control it? In general, urban runoff has highly charged sediment from fertilizer as well as from new development ground disturbance. Stormwater manhole

cleaning is important because that is where everything collects. Also, a longer holding time in the detention basin will help by allowing more settling.

**6. Tasks**

Everyone is to write up their paragraph that will summarize the data available and then relate it to the future. Any data exhibits will be placed at the end of the report

**7. Public comments**

**8. Set next meeting date**

Monday, December 20 at 9:00 a.m. at CCWRD – meeting appointment will be sent out